

#### Amendments to the Drawings

- P.28, Fig.25
- P.29, Fig.26

On Fig25 and Fig.26, amendments to the numbers on vertical axes are made as shown below.

$$2 \rightarrow 20$$
  $4 \rightarrow 40$   $6 \rightarrow 60$   $8 \rightarrow 80$   $10 \rightarrow 100$ 

I have attached a replacement sheet of drawings. The amended drawings are identified in the top margin as "Replacement Sheet."

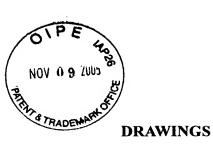


Fig. 1
Inhibition effects of anti-HIV agents of the primary processed matter on the syncytium formation of non-infected cells co-cultured with infected cells

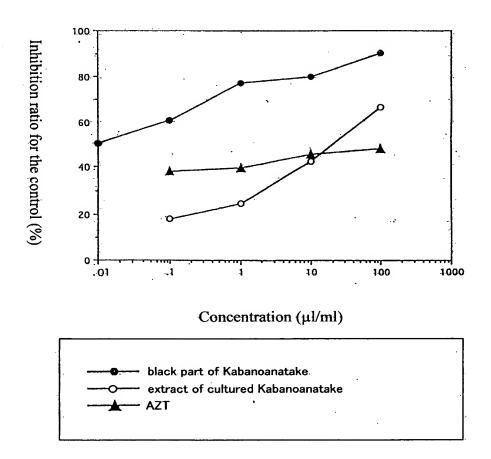




Fig. 1b
Inhibition effects of anti-HIV agents of the present invention on the syncytium formation of non-infected cells co-cultured with infected cells

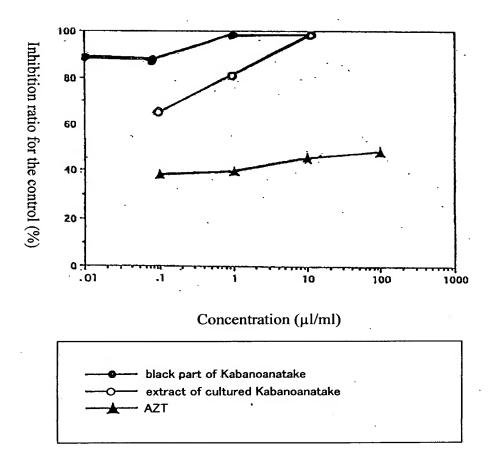
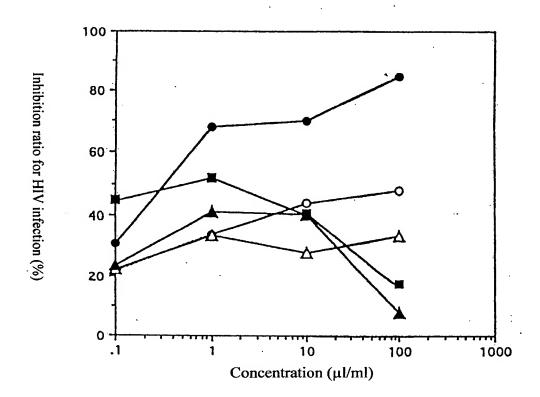




Fig. 2
Inhibition effects of anti-HIV agents of the primary processed matter on HIV production by PHA-stimulated peripheral blood mononuclear cells that were made to be newly infected.



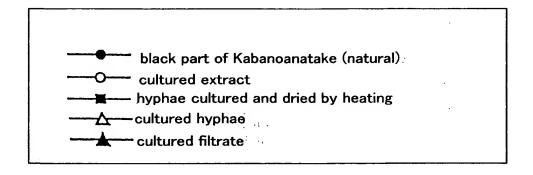
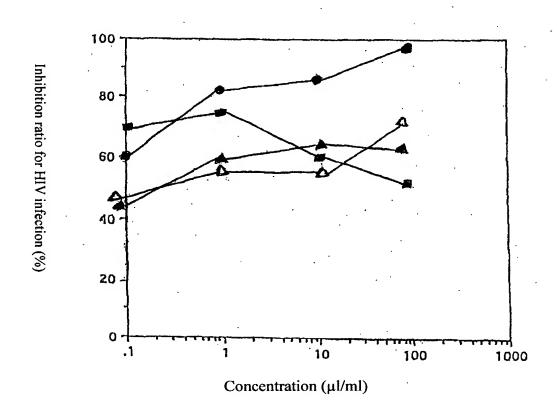




Fig. 2b
Inhibition effects of anti-HIV agents of the present invention on HIV production by PHA-stimulated peripheral blood mononuclear cells that were made to be newly infected.



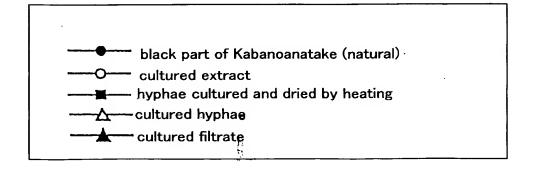
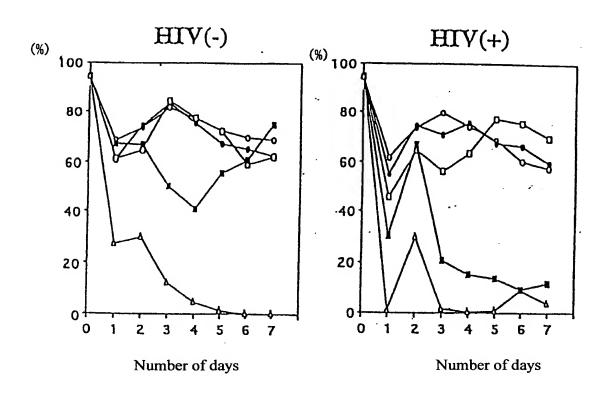




Fig. 3

#### Number of viable cells



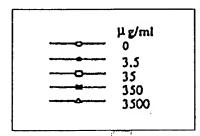
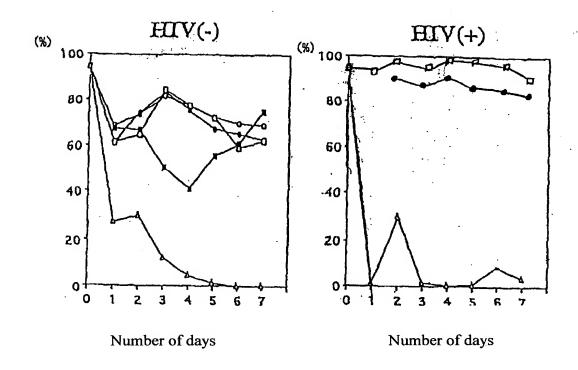
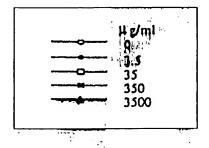




Fig. 3b

#### Number of viable cells





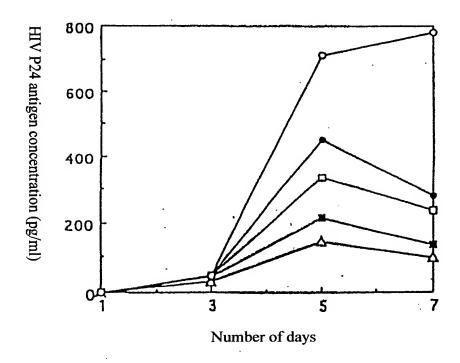
1880



Fig. 4

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# ELISA test for HIV P24 antigen yield



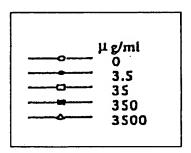
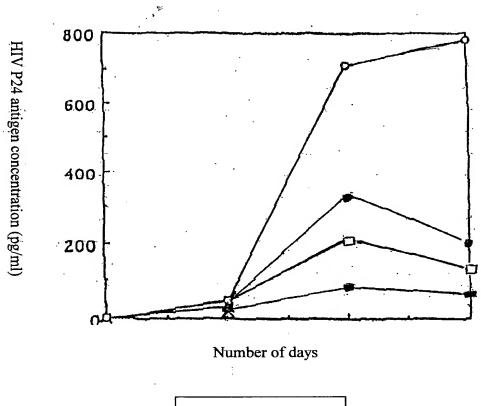




Fig. 4b

## ELISA test for HIV P24 antigen yield



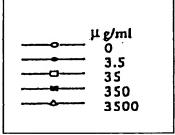
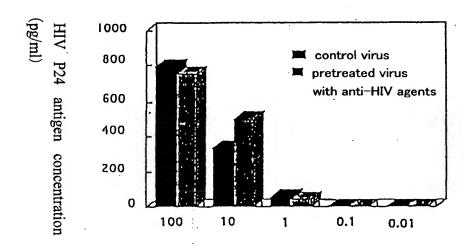


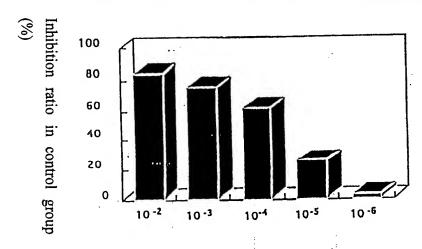


Fig. 5
Anti-HIV effects of pretreated PHA-stimulated peripheral blood mononuclear cells with Kabanoanatake

#### A The effects of pretreatment HIV with Kabanoanatake



#### B The effects of target cell pretreatment with Kabanoanatake

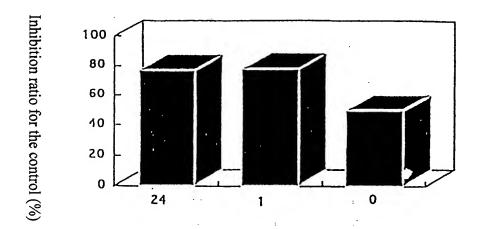


\* The anti-HIV agents were prepared in PBS solution at the concentration of 3.5 mg/ml.



Fig. 6

A The effects of pretreatment of target cells with Kabanoanatake



Pretreatment time of target cells with Kabanoanatake (hours)

B The effects of addition of Kabanoanatake in various incubation times after target cells pretreatment with anti-HIV agents for approximately one hour

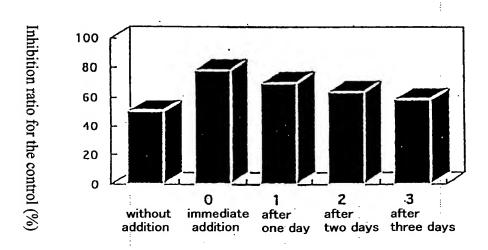
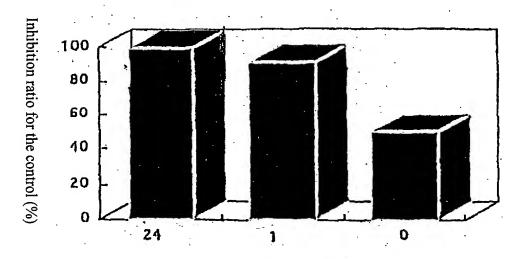




Fig. 6

A-2 The effects of pretreatment of target cells with Kabanoanatake



Pretreatment time of target cells with Kabanoanatake (hours)

# B-2 The effects of addition of Kabanoanatake in various incubation times after target cells pretreatment with anti-HIV agents for approximately one hour

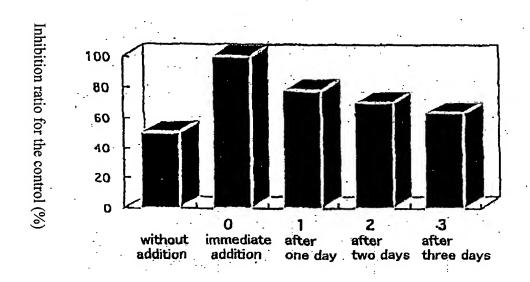
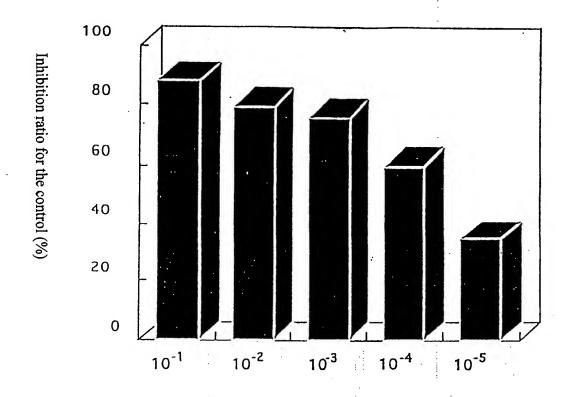




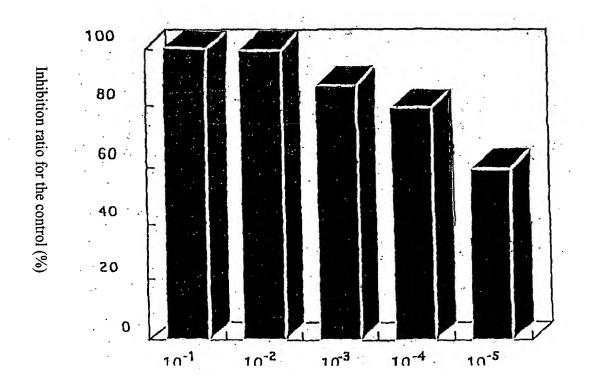
Fig. 7
Inhibition effects of anti-HIV agents of the primary processed matter on the syncytium formation of non-infected cells co-cultured with infected cells



<sup>\*</sup> The anti-HIV agents were prepared at the concentration of 3.56 mg/ml.



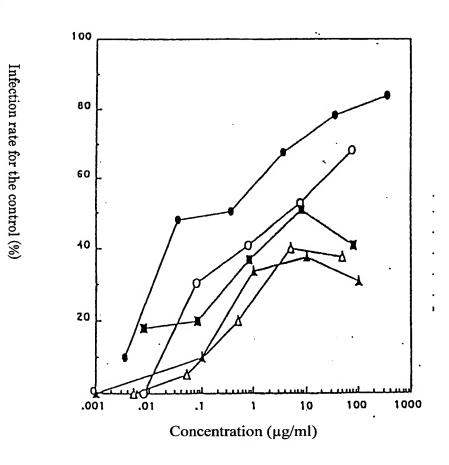
Fig. 7b
Inhibition effects of anti-HIV agents of the present invention on the syncytium formation of non-infected cells co-cultured with infected cells



<sup>\*</sup> The anti-HIV agents were prepared at the concentration of 3.56 mg/ml.



Fig.8



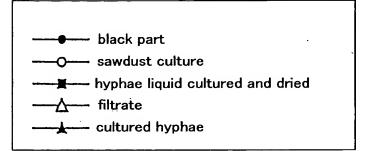




Fig.8b

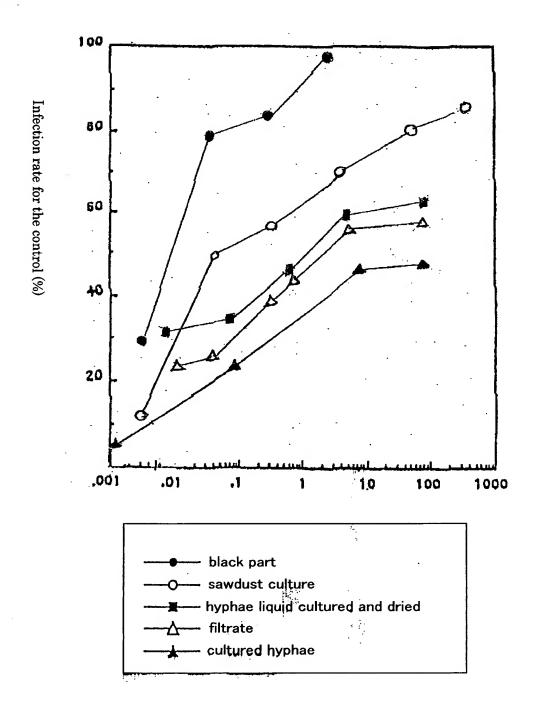




Fig. 9
Inhibition effects of various Kabanoanatake of the primary processed matter on the syncytium formation of non-infected cells co-cultured with infected cells

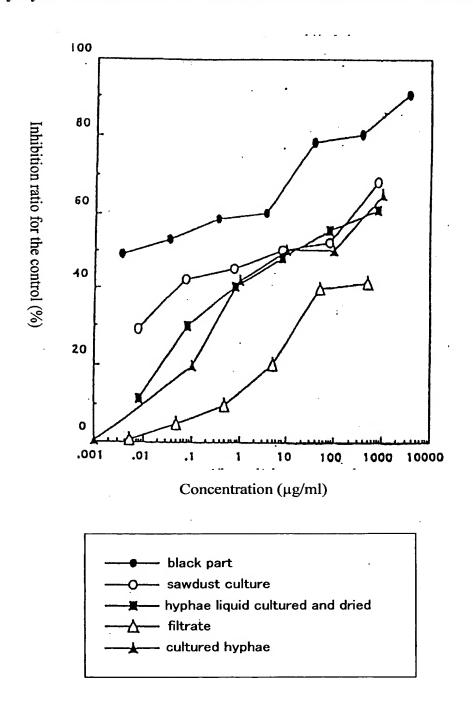
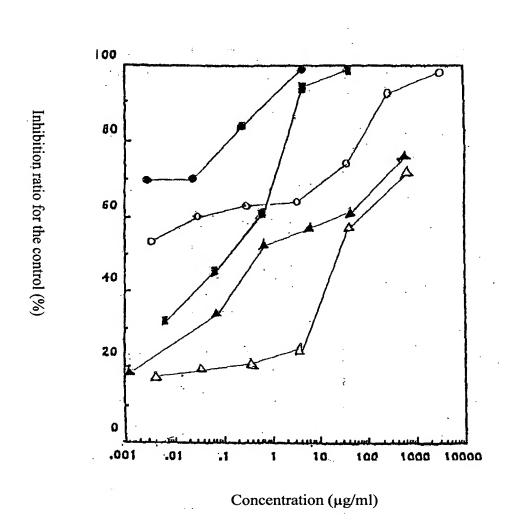
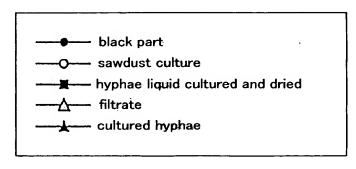




Fig. 9b
Inhibition effects of various Kabanoanatake of the present invention on the syncytium formation of non-infected cells co-cultured with infected cells





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Fig. 10

#### Report of separation of HIV

July, 18th, 1995

Day of receipt of samples: June, 14th, 1995

#### (1) Tissue culture infectious dose (TCID)

Total TCID (/ ml)	0
Cell TCID $(/1 \times 10^6)$	0
Plasma TCID (/ ml)	0
Cytopathic effect	0

#### (2) Anti-HIV antibody in plasma by western blotting methods.

gp160	gp120	p65	p55	p51	gp41-43	p32	p24	p18	p15
(env)	(env)	(pol)	(gag)	(pol)	(env)	(pol)	(gag)	(gag)	(gag)
++	++	++	++	++	++	++	++	++	++

#### (3) Host range index

(Correspondence column) The virus was not isolated.

(Annotation) Also, in a blood test after three months for the same patient, TCID value was excellent (zero).



Fig. 10b

#### Report of separation of HIV

August, 1<sup>st</sup>, 1998

Day of receipt of samples: June, 14th, 1995

(1) Tissue culture infectious dose (TCID)

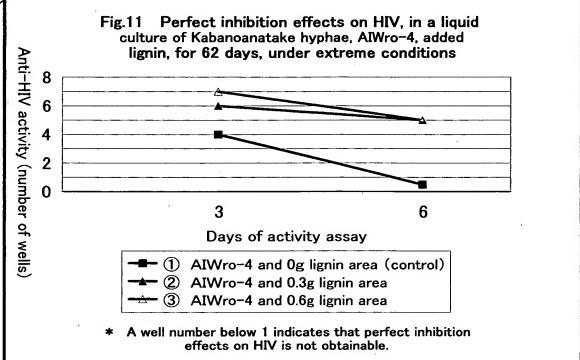
Total TCID (/ ml)	0
Cell TCID $(/1 \times 10^6)$	0
Plasma TCID (/ ml)	0
Cytopathic effect	

(2) Anti-HIV antibody in plasma by western blotting methods.

gp 160	gp120	p65	p55	p51	gp41·43	p32	p24	p18	p15
(env)	(env)	(pol)	(gag)	(pol)	(env)	(pol)	(gag)	(gag)	(gag)
++	++	++	++	++	++	++	++	++	++

(3) Host range index

(Correspondence column) The virus was not isolated.



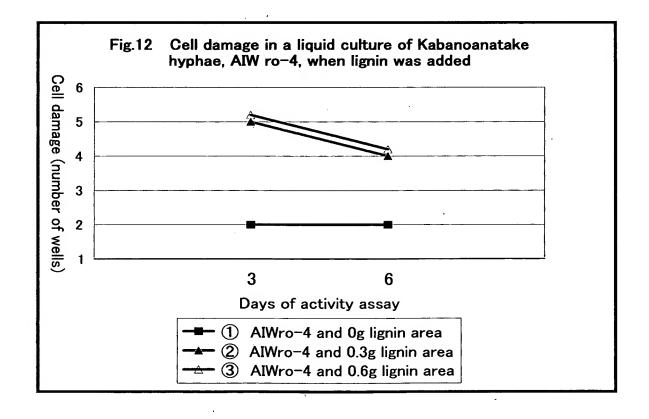
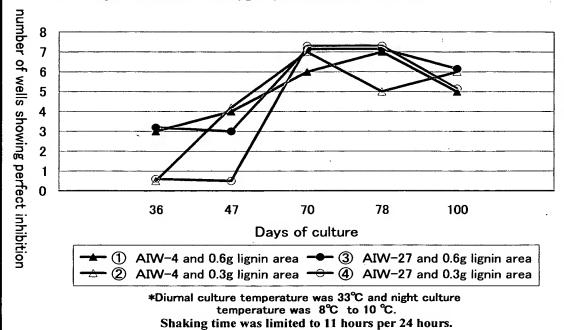
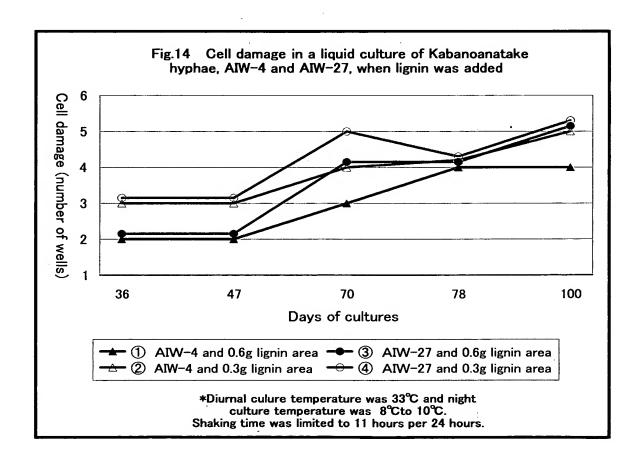
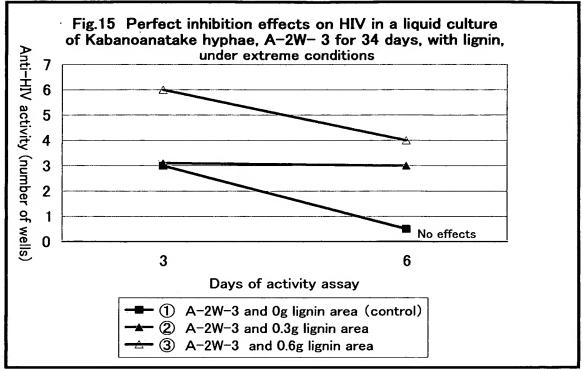


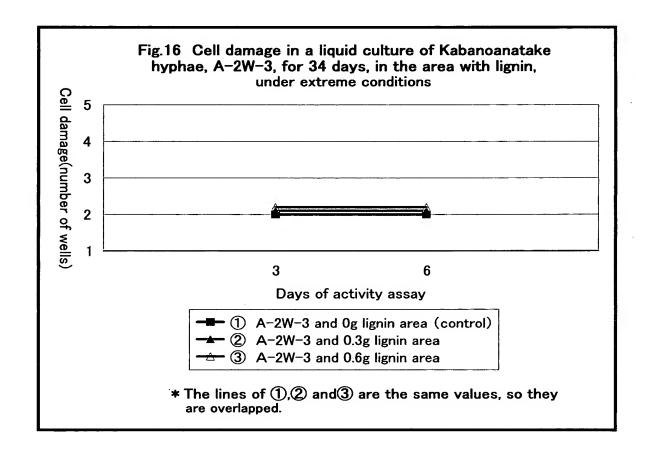
Fig.13 Perfect inhibition effects on HIV in a long-term culture medium of Kabanoanatake hyphae, AIW-27, AIW-4, and lignin, under extreme conditions of restricting the infiltration of oxygen (on the 6th day of the test)

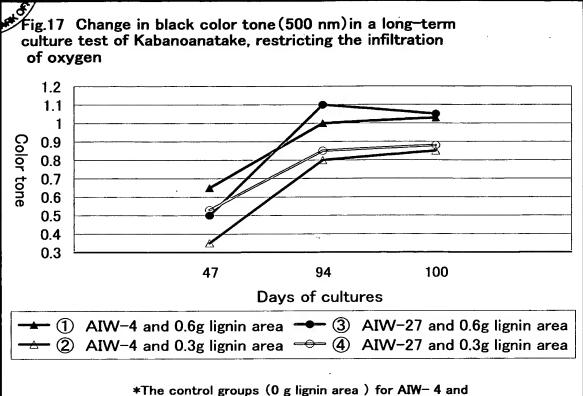




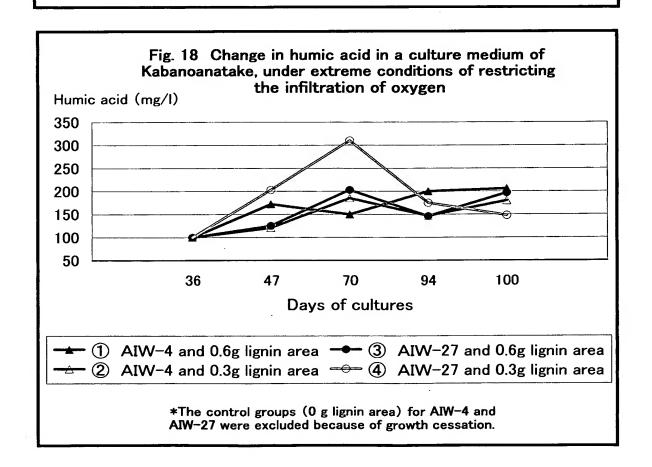


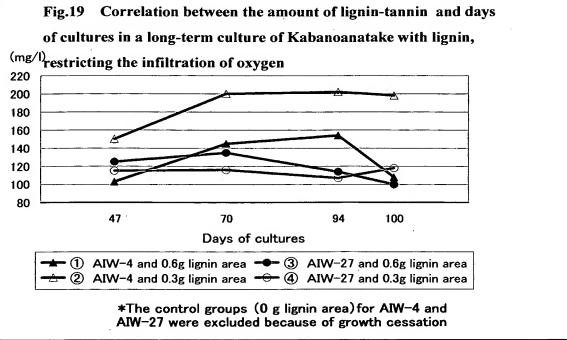


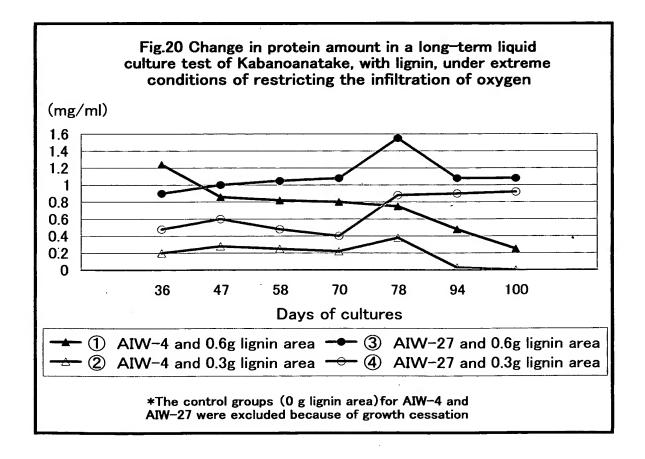




AIW-27 were excluded because of growth cessation







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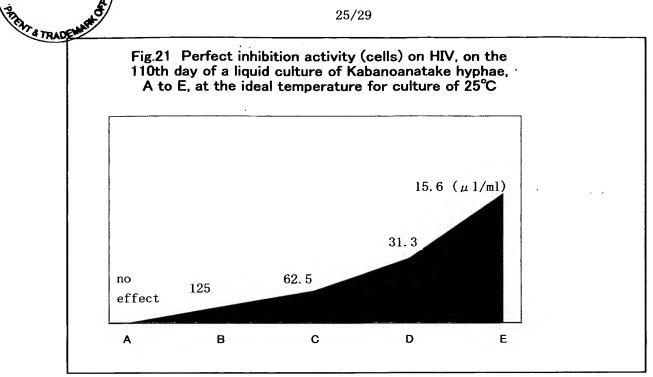
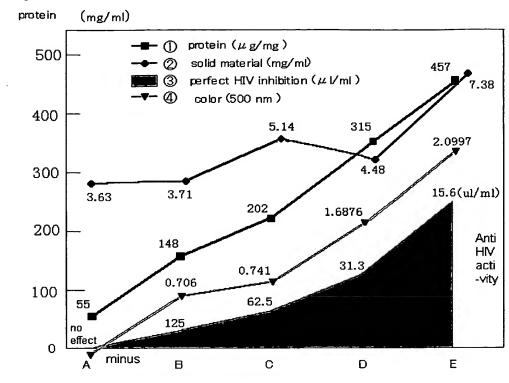
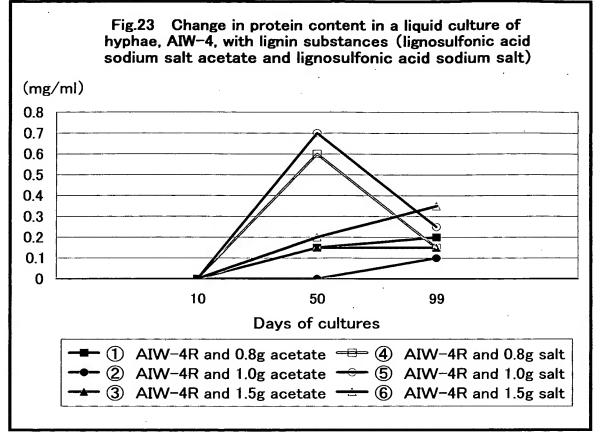
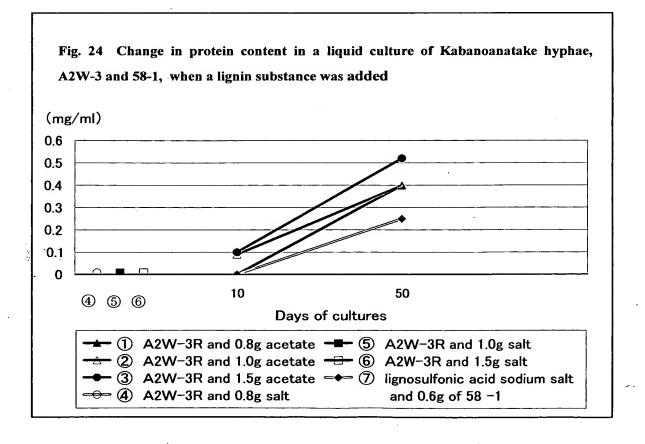


Fig. 22 The values of perfect HIV inhibition activity (100%) on the 110th day of a liquid culture of Kabanoanatake hyphae, A to E, at the ideal temperature for culture of 25%







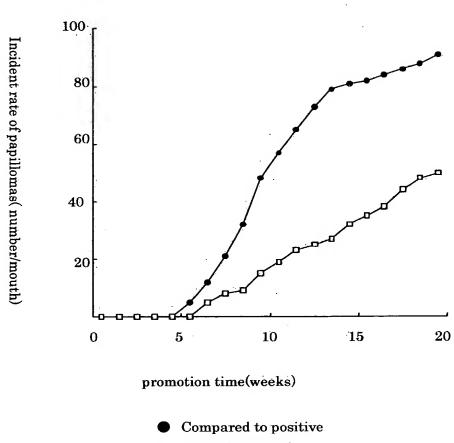




#### "Replacement Sheet"

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Fig. 25 The late of papillomas, using the 2-stage carcinogenesis model with mouse skin (average number per mouse)



☐ IO-1 (inotodiol)

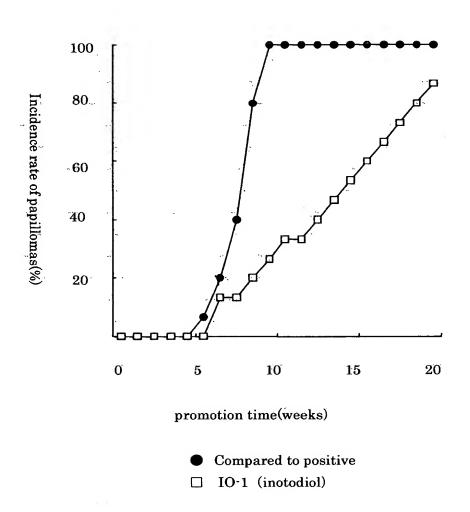


"Replacement Sheet"

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Fig. 26

The carcinogenetic promotion suppression effects of Compound 1, using the 2-stage carcinogenesis model with mouse skin (percentage)



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